



COURSE DESCRIPTION

ACADEMIC CENTER ROBERTO ALCANTARA GOMES BIOLOGY INSTITUTE		DEPARTMENT DEPARTMENT OF ANATOMY		
COURSE NAME PROGRESS IN UROGENITAL PHYSIOPATHOLOGY I		() CORE COURSE (X) OPTIONAL COURSE	HOURS 30	CREDITS 2
PROGRAM / PROJECT NAME PHYSIOPATHOLOGY AND SURGICAL SCIENCES <u>Key Focus Area:</u> Urogenital System	DISTRIBUTION OF HOURS			
	TYPE OF CLASS	HOURS	N. OF CREDITS	
	THEORETICAL	30	2	
	PRACTICAL			
	TOTAL	30	2	
PREREQUISITES		(X) Master's program course (X) Doctorate's program course		

COURSE DESCRIPTION

Intrarenal anatomy in human adults, pigs and dogs. Study of the collecting system, arteries and veins. Applied analysis and main clinical implications of recent knowledge acquired. Men and women urination morphophysiology. Neural and muscle-fascial structures involved. Study of the extracellular matrix of the normal bladder and its histological and biochemical changes in normal or obstructed individuals and individuals with neurogenic changes. Morphophysiology of penile erection. Testicular migration. Recent knowledge histological and biochemical transformations, dynamics and anomalies. Study of prostate development in fetuses. Study of normal and hyperplastic prostate in human adults.

BASIC BIBLIOGRAPHY

1. Sampaio FJB, Uflacker R. RENAL ANATOMY APPLIED TO UROLOGY, ENDOUROLOGY, AND INTERVENTIONAL RADIOLOGY. Thieme Medical Publishers, New York, 138p., 1993.
2. Sampaio FJB. Relationship between segmental arteries and pelviureteric junction. Br J Urol, 68: 214-217, 1991.
3. Sampaio FJB, Aragão AHM. Inferior pole collecting system anatomy. Its propable role in extracorporeal shock wave lithotripsy. J Urol, 147: 322-324, 1992.
4. Sampaio FJB, Passos MARF. Renal Arteries. Anatomic study of surgical and radiological practice. Surg Radiol Anat, 14: 113-117, 1992.
5. Sampaio FJB, Zanier JFC, Aragão AHM. Intrarenal access 3-dimensional anatomical study. J Urol, 148: 1769-1773, 1992.
6. Sampaio FJB, Favorito LA. Ureteropelvic junction stenosis: vascular anatomical background for endopyelotomy. J Urol, 150: 1787-1791, 1993.
7. Sampaio FJB, Schiavini JL, Favorito LA. Proportional analysis of the kidney arterial segments. Urol Res, 21:371-374, 1992.
8. Sampaio FJB, Aragão AHM. Limitations of extracorporeal shock wave lithotripsy in lower caliceal stones: Anatomical insight. J Endourol, 8: 241-247, 1994.
9. Favorito LA, Sampaio FJB. Anatomical relationship between testis and epidymis during the fetal period in humans (10 to 36 weeks post conception). Eur Urol, 33: 121-123, 1998.
10. Sampaio FJB, Favorito LA. Analysis of testicular migration during the fetal period in humans (10 to 36 weeks post conception). J Urol, 159: 540-542, 1998.
11. Sampaio FJB, Pereira-Sampaio MA, Favorito LA. The pig kidney as a urological model. Anatomical contribution. J Endourol, 12: 45-50, 1998.

PROGRAM / PROJECT COORDINATOR

DATE	SIGNATURE